

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Grace (reg. 52,956) on 12/15/2008.

The application has been amended as follows:

#### Amendments to the Claims:

1 (Currently Amended): A method for mapping a tag in a markup language (ML) document to a class using namespaces, comprising:

- analyzing a tag in the ML document;
- referencing a definition file location attribute in the ML document, wherein the definition file location attribute is identified by the tag;
- retrieving a definition file from a storage location identified by the definition file location attribute, wherein the definition file includes; ~~a list of common language runtime namespaces;~~  
~~wherein each common language runtime namespace includes a list of common language classes associated with the common language runtime namespace;~~  
a schema that limits the scope of attributes in the definition file,  
a list of assemblies that references the definition file,  
a list of common language runtime namespaces associated with the list of  
assemblies that references the definition file, wherein each common language runtime namespace includes a list of common language classes associated with the common  
language runtime namespace, and  
an installation tag that includes a uniform resource identifier for installing  
assemblies of the list of assemblies;
- referencing a common language runtime namespace related to the tag within the

definition file to determine the common language runtime class associated with the tag; and  
locating the common language runtime class in an assembly such that the tag is mapped to the common language runtime class.

2 (Currently Amended): The method of Claim 1, wherein analyzing ~~[[a]]~~the tag further comprises analyzing ~~[[the]]~~ tags in linear order as listed in the ML document.

3 (Currently Amended): The method of Claim 1, wherein analyzing ~~[[a]]~~the tag further comprises reading a prefix corresponding to an ML namespace related to the tag.

7 (Currently Amended): The method of Claim 1, wherein retrieving ~~[[a]]~~the definition file further comprises retrieving the definition file from a network location specified by the definition file location attribute.

8 (Currently Amended): The method of Claim 1, wherein locating the common language runtime class in ~~[[an]]~~the assembly further comprises locating the common language runtime class in a dynamic link library, the dynamic link library comprising common language runtime classes of functions associated with the common language runtime namespace of the definition file.

10 (Cancelled):

12 (Currently amended): A computer-readable storage medium having computer-executable instructions for mapping a tag in an ML document to a common language runtime class using common language runtime namespaces, the instructions comprising:

evaluating a tag in the ML document, wherein evaluating the tag comprises reading a prefix associated with an ML namespace when the prefix is present;

detecting a definition file location attribute associated with the tag in the ML document;

fetching a definition file from a location specified by the definition file location attribute, wherein the definition file includes: ~~a list of common language runtime namespaces, wherein~~

~~each common language runtime namespace includes a list of common language classes associated with the common language runtime namespace;~~

~~a schema that limits the scope of attributes in the definition file,~~

~~a list of assemblies that references the definition file,~~

~~a list of common language runtime namespaces associated with the list of assemblies that references the definition file, wherein each common language runtime namespace includes a list of common language classes associated with the common language runtime namespace, and~~

~~an installation tag that includes a uniform resource identifier for installing assemblies of the list of assemblies;~~

resolving the common language runtime namespace related to the tag within the definition file to establish the common language runtime class associated with the tag; and

finding an assembly that includes the common language runtime class such that the tag is mapped to the common language runtime class, wherein the assembly comprises common language runtime classes of functions associated with the common language runtime namespace.

17 (Cancelled):

19 (Currently Amended): A system for mapping a tag in an ML document to a common language runtime class using common language runtime namespaces, the system comprising:

a processor; and

a memory having computer-executable instructions, the computer-executable instructions being configured for:

analyzing a tag in the ML document;

referencing a definition file location attribute in the ML document, wherein the definition file location attribute is related to the tag;

retrieving a definition file from a location specified by the definition file location attribute, wherein the definition file includes:

a schema that limits the scope of attributes in the definition file,

a list of assemblies that references the definition file,  
a list of common language runtime namespaces associated with the list of assemblies that references the definition file, wherein each common language runtime namespace includes a list of common language classes associated with the common language runtime namespace, and  
an installation tag that includes a uniform resource identifier for installing assemblies of the list of assemblies;  
referencing a common language runtime namespace related to the tag within the definition file to determine the common language runtime class associated with the tag;  
and locating the common language runtime class in an assembly of the list of assemblies such that the tag is mapped to the common language runtime class.

*Examiner's Statement of Reason(s) for Allowance*

2. Claims 1-9, 11-16, and 18-20 (renumbered as 1-18) are allowed.
3. The following is an examiner's statement of reasons for allowance:
4. The closest prior arts of record, i.e. Bray, Lurie, Chao, Jacobs (US 2004/0177094), Brill (US 2004/0163091), taken alone or in combination, fail to teach or fairly suggest at least: the definition file including a list of common language runtime namespaces associated with the list of assemblies that references the definition file, wherein each common language runtime namespace includes a list of common language classes associated with the common language runtime namespace, and an installation tag that includes a uniform resource identifier for installing assemblies of the list of assemblies as recited in the independent claims.

While Bray discloses XML namespaces, Lurie discloses CLR namespaces and assemblies, Chao discloses update of a browser information content from a cache, Jacobs discloses an application-specific modifications to an DOM tree using extensions to an XML

schema, and Brill discloses a .NET attributes bridging, ultimately, the prior arts do not disclose at least: the definition file including a list of common language runtime namespaces associated with the list of assemblies that references the definition file, wherein each common language runtime namespace includes a list of common language classes associated with the common language runtime namespace, and an installation tag that includes a uniform resource identifier for installing assemblies of the list of assemblies.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to INSUN KANG whose telephone number is (571)272-3724. The examiner can normally be reached on M-R 7:30-6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis A. Bullock, Jr. can be reached on 571-272-3759. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Insun Kang/  
Examiner, Art Unit 2193